

0 AMENDMENTS TO THE CLAIMS:

CLAIMS.

We claim:

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1. (Currently Amended) A hot melt adhesive composition consisting essentially of:

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A) from about 40 to 100 percent by weight (based on the final weight of the hot melt adhesive composition) of a homogeneous ethylene/ α -olefin interpolymers wherein:

1) the homogeneous ethylene/ α -olefin interpolymers is present in an amount of from about 60 to about 85 percent by weight (based on the final weight of the hot melt adhesive composition) and the homogeneous ethylene/ α -olefin interpolymers is characterized by having::

i) a density of from about 0.880 to about 0.930 g/cm³;

ii) a number average molecular weight (Mn) of from about 1,000 to about

9,000; and

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iii) a Brookfield Viscosity (measured at 300°F) of from about 500 to about 7,000 cP and

2) the hot melt adhesive composition is characterized by having:

i) a Brookfield Viscosity (measured at 350°F) of from about 400 to about

2,000 cP;

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ii) a Peel Adhesion Failure Temperature ("PAFT") of greater than or equal to 110°F; and

iii) a Shear Adhesion Failure Temperature ("SAFT") of greater than or equal to 140°F; and

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B) from about 0 to about 60 percent by weight (based on the final weight of the hot melt adhesive composition) of one or more tackifiers[.], wherein the homogeneous ethylene/ α -olefin interpolymers is produced by a process comprising the steps of:

contacting one or more olefinic monomers in a reactor in the presence of at least

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